

Eclipse Plug-in Development Research Project

Report 2

UNIVERSITY AT BUFFALO

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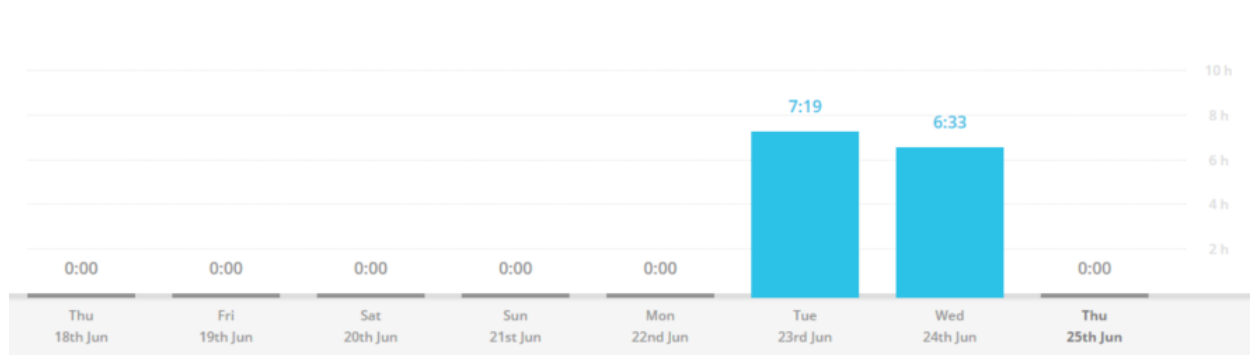
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Introduction

In this week, I manage to accomplish few things: (1) implement the plugin startup, (2) get the listener to work (for the minimum).

Synopsis

I have been spending more than 10 hours (including report writing) on this project. Below is the summary graph:

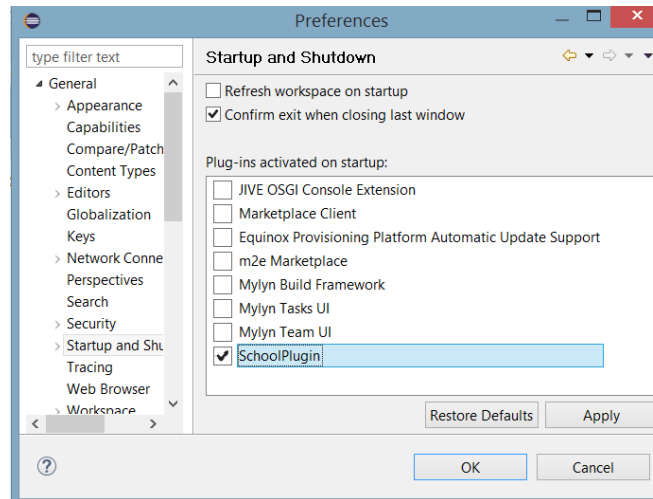


Eclipse Plugin	13:52.27
developing autostart and element changed listener	6:00.21
going over textbook example	3:34.33
implementing the listener	3:44.27
Learning other tutorials	0:33.06

Problem statements

I have encountered two major issues here. The first one is with the auto-startup and the other one is with the element changes.

I use the IStartup method to implement the auto-start for plugin listener. It is activated on startup (see snapshot below) but it does not work as the way we want.



We want our plugin to run when the user starts eclipse. The method above still requires user to run the application and that creates another instance of eclipse. It does solve an issue that I have earlier (before that I use a View to cast the listener, and now with the startup extension point, I no longer need to use the View to start the plugin).

The second issue is with the element changed in the editor. It is still in a pretty early stage. More details and functions will be added in. I will demonstrate in person.

To-do lists:

- Install this plugin and allow auto-startup when the eclipse application runs.
- Be able to detect any kind of changes in the editor, whether inside or outside of function and etc.
- Be able to filter and store important elements into a file / database in the future

Conclusion

So far I'm just playing around with the code, exploring any possibilities in writing the code. I have gone over some useful eclipse plugin resources, and those are really helpful in understanding the plugin. As usual, I will put in certain amount of time and effort to make this plugin worked. Thanks in advance!